

DESCRIPTION:

The 473 series is cylindrical type in 4.7mm diameter with inverted cone top resulting in a very wide angle effect.

This series is most suitable for panel display.

The semi-conductor materials used are:

GaP for (473VGC/VGT)

GaAsP/GaP for (473VYC/VYT)

AlGaInP for (473UIC)

GaAlAs for (473UR1C/UR2C, 473HR3C, HR3T)

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100μA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature (1.6mm (1/16)From Body)	260°C For 5 Seconds

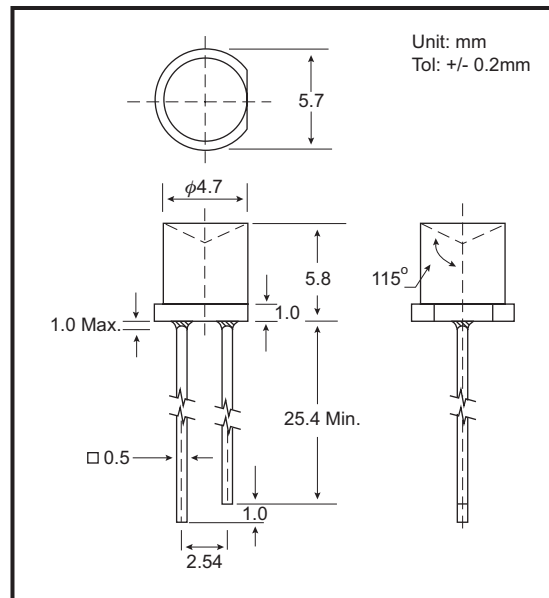
NOTES : 1. All dimensions are in millimeters.

2. Lead spacing is measured where the leads emerge from the package.

3. Protuded resin under flange is 1.5 mm (0.059") Max.

4. Specifications are subject to change without notice.

PACKAGE DIMENSIONS



PART NO. SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Emitted Color	Lens Color	Peak Wavelength λ_p (nm)	Vf (v)		Rec. If (mA).	Iv (mcd)		View Angle $2\theta_{1/2}$ (Deg)
				Min	Max		Min	Typ.	
GB-473HR3T	Super Red	Red Trans.	660	1.7	2.6	10-20	9.0	13.0	142
GB-473VGT	Super Green	Green Trans.	565	1.7	2.6	10-20	10.0	15.0	142
GB-473VYT	Super Yellow	Yellow Trans.	585	1.7	2.6	10-20	10.0	15.0	142
GB-473HR3C	Super Red	Water Clear	660	1.7	2.6	10-20	9.0	13.0	142
GB-473VGC	Super Green	Water Clear	565	1.7	2.6	10-20	10.0	15.0	142
GB-473VYC	Super Yellow	Water Clear	585	1.7	2.6	10-20	10.0	15.0	142
GB-473UR1C	Super Red	Water Clear	660	1.7	2.6	10-20	10.0	15.0	142
GB-473UR2C	Ultra Red	Water Clear	660	1.7	2.6	10-20	35.0	40.0	142
GB-473UIC	Ultra Red	Water Clear	640	1.7	2.6	10-20	70.0	75.0	142

TESTING CONDITION FOR EACH PARAMETER :

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	Vr = 5.0 Volt
REVERSE CURRENT	Ir	μA	If = 20mA
FORWARD VOLTAGE	Vf	VOLT	If = 20mA
LUMINOUS INTENSITY	Iv	MCD	If = 20mA
VIEWING ANGLE	$2\theta_{1/2}$	DEGREE	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	

